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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/535,654	05/19/2005	Tomoshige Furuhi	M1071.1932	6150
32172 DICKSTEIN SI	7590 01/16/2007 HAPIRO LLP	EXAMINER		
1177 AVENUE OF THE AMERICAS (6TH AVENUE) NEW YORK, NY 10036-2714			, TRAN, CHUC	
			ART UNIT	PAPER NUMBER
			2821	
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SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MONTHS		01/16/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		Application No.	Applicant(s)
Office Action Summary		10/535,654	FURUHI ET AL.
		Examiner	Art Unit
		Chuc D. Tran	2821
Period fo	The MAILING DATE of this communication app or Reply	pears on the cover sheet with the	correspondence address
A SHOWHIC - Externafter - If NO - Failu Any o	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING Donsions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory period ver to reply within the set or extended period for reply will, by statute eply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATIO 36(a). In no event, however, may a reply be ti will apply and will expire SIX (6) MONTHS from the, cause the application to become ABANDONI	N. mely filed n the mailing date of this communication. ED (35 U.S.C. § 133).
Status			
2a) <u></u>	Responsive to communication(s) filed on <u>16 O</u> This action is FINAL . 2b) This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pr	
Dispositi	on of Claims		
5)⊠ 6)⊠ 7)⊠	Claim(s) 1-4,6-11 and 15-17 is/are pending in a 4a) Of the above claim(s) is/are withdraw Claim(s) 2,3,8-11,15 and 16 is/are allowed. Claim(s) 1 is/are rejected. Claim(s) 4,6,7 and 17 is/are objected to Claim(s) are subject to restriction and/o	wn from consideration.	·
Applicati	on Papers		
10)⊠	The specification is objected to by the Examine The drawing(s) filed on <u>22 September 2003</u> is/a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex	are: a) accepted or b) object drawing(s) be held in abeyance. Se tion is required if the drawing(s) is ob	e 37 CFR 1.85(a). Djected to. See 37 CFR 1.121(d).
Priority u	nder 35 U.S.C. § 119		
a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority documents application from the International Bureausee the attached detailed Office action for a list	s have been received. s have been received in Applicat rity documents have been receiv J (PCT Rule 17.2(a)).	ion No ed in this National Stage
	e of References Cited (PTO-892)	4) 🔲 Interview Summary	
3) 🔯 Inforn	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) · No(s)/Mail Date <u>05/19/05</u> .	Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	

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DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-4, 6-11 and 15-17 have been considered but are most in view of the new ground(s) of rejection.

Drawings

2. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "electrodes" in claim 10 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

- 3. Claims 1-3 and 10 are objected to because of the following informalities:
- 4. Claim 10 is objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. It is not clear to understand how the "electrode" works with claim 2 without redefined in Specification. Clarification is required.

Claim 1, line 3, "a circuit" would be changed to - - a voltage control portion - -;

Claim 2, line 6, "a voltage control" would be changed to - - a voltage control portion - -;

Claim 3, line 2, "the control portion" would be changed to --the voltage control portion--.

5. Appropriate correction is required.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 7. Claims 1 rejected under 35 U.S.C. 102(b) as being anticipated by Lenz (USP. 3,971,022).

Regarding claim 1, Lenz disclose an antenna device in Fig. 1-11, comprising a resonance element array (7) having a plurality of resonance elements arranged therein (Fig. 1), and having a circuit (8) connected to each of the resonance elements for controlling a resonance frequency of the resonance elements (Col. 3, Line 61); a plurality of primary radiators (6) for radiating an electromagnetic wave for excitation to the resonance element array or for receiving an

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electromagnetic wave radiated from the resonance element array clement (Abstract), each of the plurality of primary radiators being allocated to a respective portion of the plurality of resonance elements (Fig. 1); and a lens or reflector collimator disposed such that the position of the resonance element array is substantially a focus plane (Col. 4, Line 31).

Allowable Subject Matter

- 8. Claims 2-3, 8-11 and 15-16 are allowed.
- 9. The following is a statement of reasons for the indication of allowable subject matter:

Prior art fails to disclose or suggest in combination with the remaining claimed limitations: a plurality of primary radiators for radiating an electromagnetic wave for excitation to the resonance element array or for receiving an electromagnetic wave radiated from the resonance element array elements, each of the plurality of primary radiators being allocated to a respective portion of the plurality of resonance elements; and a variable reactance circuits connected to the resonance elements, respectively, whose reactance is changed by a voltage control adapted to be applied to the variable reactance circuits in claim 2; claims 3, 8-11 and 15-16 are allowed since they are dependent on claim 2.

10. Claims 4, 6-7 and 17 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chuc D. Tran whose telephone number is (571) 272-1829. The examiner can normally be reached on M-F Flex hours.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy P. Callahan can be reached on (571) 272-1740. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TC January 7, 2007

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